KOOPOR™

mini - User Manual

KP60

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KOOPOR
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KOOPOR

KOOPOR [/ˈkubɚ/] = COOL VAPOR !

KOOPOR is an attitude.

KOOPOR is fresh and young. Young is our attitude! We believe that the APV(Advanced Personal Vaporizer) is a revolution, which brings a healthier life for us. We seek the high performance, reliable and affordable APVs all the time. KOOPOR is on the way to design and make great APVs, for everyone, cost-effective and affordable! We firmly oppose extravagant profits, and insist to feed our customers by highly cost-effective ones.

KOOPOR is a big family.

KOOPOR, when its design and team-boosting from the moment of conception, is deeply suffering from the impact of global vaping players: we're talking and sharing with each other in forums, in Facebook timelines, in tweets. We're listening and feeling surprise, revelry, disappointment and frustration among us, finally, we are full of hope again, like a family. Hope, yeah, we'd love to make better goods for this big family! KOOPOR is born for this big family.

KOOPOR mini

It adopts a dual-circuit drive design inside, which can effectively control output while monitoring temperature of the atomizer. With the new monitor technology, HFDMR-Ni200 (High-Frequency Dynamic Monitoring Resistance of Ni200), it can achieve the high accuracy of regulating and monitoring heating wire temperatures. The precision can reach 10 degrees Fahrenheit (about 5 degrees Celsius).

Constructed from stainless steel with a zinc-alloy coating, it looks modern and feels comfortable. Magnet-held battery cover design makes sure that, with a gentle touch, you will simply slide it off and replace the battery in seconds! This compact mod takes one 18650 battery, and provides 60 watts of maximum output for enough power!

This is KOOPOR mini, helps to satisfy all your desire for temperature control, strong power and high quality.

God said, "Let there be light", and there was light.

You said you want real temperature control, and there is KOOPOR mini.

Packing List

Gift Package

1 x KOOPOR mini（KP60）

1 x KOOPOR mini User Manual

1 x KOOPOR mini Customer Card

1 x KOOPOR mini Battery Safety Warning Card

Verification

1. Using your Smartphone or PC to visit KOOPOR official website: http://www.koopor.com/support/
2. Scratch off the coating of the security label on packing box to get the 16 anti-fake code. Fill them into the input box on the webpage to verify. The result will come out after a few seconds.
3. If you have any question, please contact KOOPOR consultant via e-mail, phone or our website to get more help.

Welcome to download our APP, share your vaping experience and communicate with KOOPOR's global users here.
Download on the App Store
android

Warranty

KOOPOR mini Warranty Period: 6 Months from the Purchase Date.

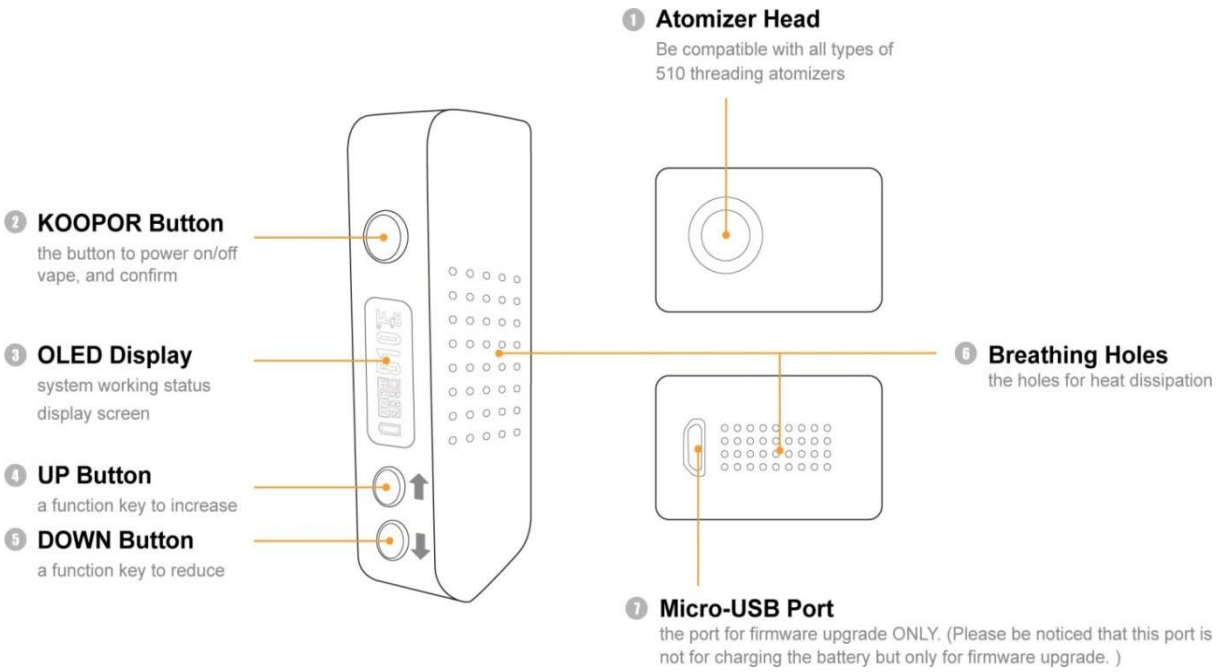
Within the 6 Months, some items may not be eligible for service due to misuse, damage, or other failures caused other than by manufacturer defects or premature failure. Please contact KOOPOR Authorized Vendor for more information and terms of service.

The “KOOPOR mini Customer Card” is an important proof for customers to get warranty service, please keep it. And read the card carefully and fill it out correctly. Warranty requests must be accompanied by this card.

For more warranty policy and process, please visit our official website: http://www.koopor.com/support/

User Guide

1. Schematic Diagram


1 Atomizer Head
Be compatible with all types of 510 threading atomizers
2 KOOPOR Button
the button to power on/off vape, and confirm
3 OLED Display
system working status display screen
4 UP Button
a function key to increase
5 DOWN Button
a function key to reduce
6 Breathing Holes
the holes for heat dissipation
7 Micro-USB Port
the port for firmware upgrade ONLY. (Please be noticed that this port is not for charging the battery but only for firmware upgrade.)

2. Install Battery

KOOPOR mini adopts the magnet-held battery cover design to make sure that, with a gentle touch, you will simply slide it off and replace the battery in seconds!

Steps:

1. Please confirm to use only a 18650 battery with enough power.
2. Slide to open the back cover and place the battery into the device according to the correct directions, and then close the battery cover.
3. Click *KOOPOR Button* 5 times quickly in 2 seconds to power on. The display screen successively shows "WELCOME", brand "KOOPOR", model "KP60". Wait for 2 seconds for the activation.
4. If the screen is not lighted, please check if the battery is OK, or battery is placed in the correct direction or if the battery has enough power.
5. Please contact with our customer consultant if it still can not be powered on.

3. Attach Atomizer

KOOPOR mini atomizer head is using a new generation of elastic-touch design, perfectly fit a variety of atomizers.

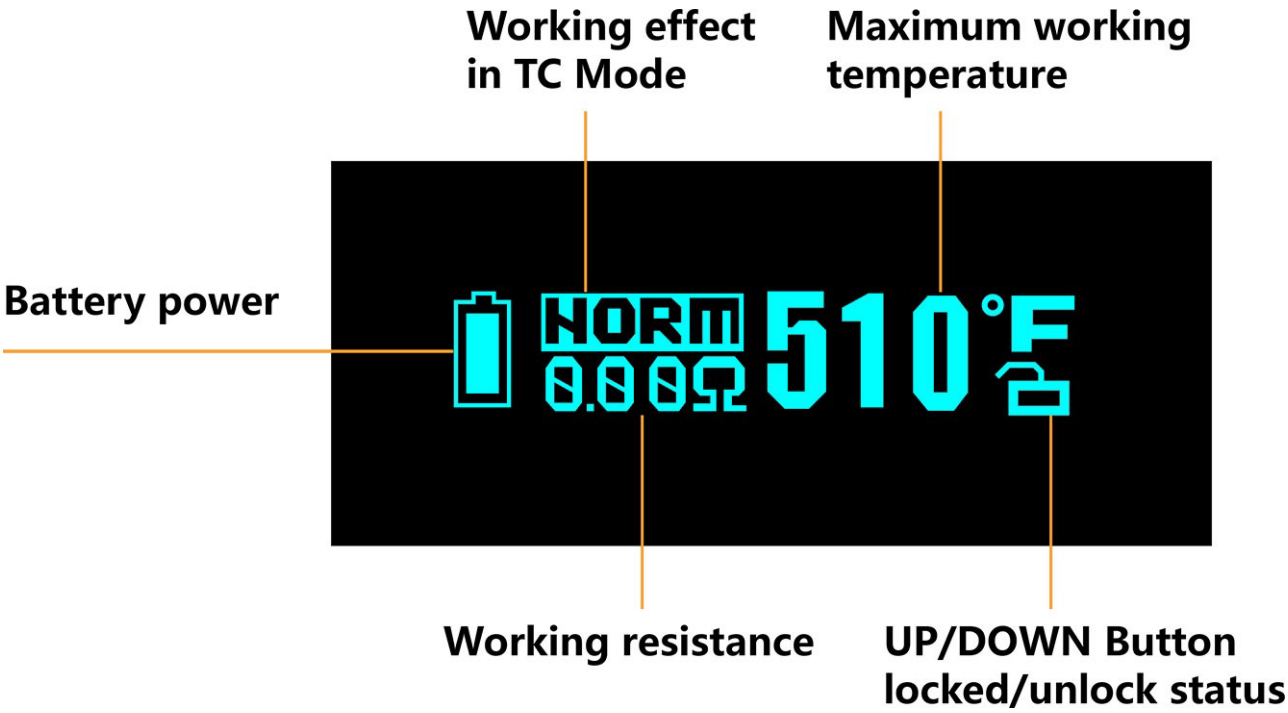
Please confirm that the atomizer head should not be blocked by any stems before attachment:

1. Connect the atomizer to the device and tighten it clockwise.
2. After the device is powered on, please press the *KOOPOR Button* to vape.

4. Operations

1. ***Power On:***
   ① While the device is off power, fast click *KOOPOR Button* 5 times in 2s to start up. The screen successively shows "WELCOME", brand "KOOPOR", model "KP60";
   ② From standby status, shortly press *KOOPOR Button* to active the system and light the display screen.
2. ***Power Off:*** While the device is locked, hold *KOOPOR Button* for 8s, then the display screen shows “GOOD BYE!”, and the screen turns off, which means the device is power off.
3. ***Vaping:***
   ① While the device is power on, hold *KOOPOR Button* to vape (it will be forced to stop working when one vaping is longer than 12s, release once to vape again);
   ② Release *KOOPOR Button* and enter standby mode; if without any operation in 5 minutes, need to be restarted if use again.
4. ***Screen Unlocked Status:***
   ① Press *UP / DOWN Button* to adjust the temperature or wattage settings;
   ② Press *UP+ DOWN Button* simultaneously to lock the *UP / DOWN Button* to avoid accidental operation;
   ③ Press *KOOPOR+ UP Button* simultaneously to choose working mode between TC Mode and VW Mode;
   ④ In the TC Mode, Press *KOOPOR + DOWN Button* simultaneously to choose different effect Normal/Soft/Hard.
5. ***Screen Locked Status:***
   ① Press the *KOOPOR+ UPButton* simultaneously to rotate the screen to left;
   ② Press the *KOOPOR + DOWN Button* simultaneously to rotate the screen to right;
   ③ Hold the *KOOPOR Button* for 8s to power off.
6. ***Saving:*** All the settings will be automatically saved while settings done. No need to reset after power on.
7. ***Menus & Prompts:*** After startup, fast press the *KOOPOR Button* 3 times in 2s, then you will go to the operation menu. At the same time, long-press on the *KOOPOR Button* has confirm function; *UP/DOWN Button* could do menu moves.

5. TC Mode



TC Mode is available when KOOPOR mini works with a TC type atomizer.

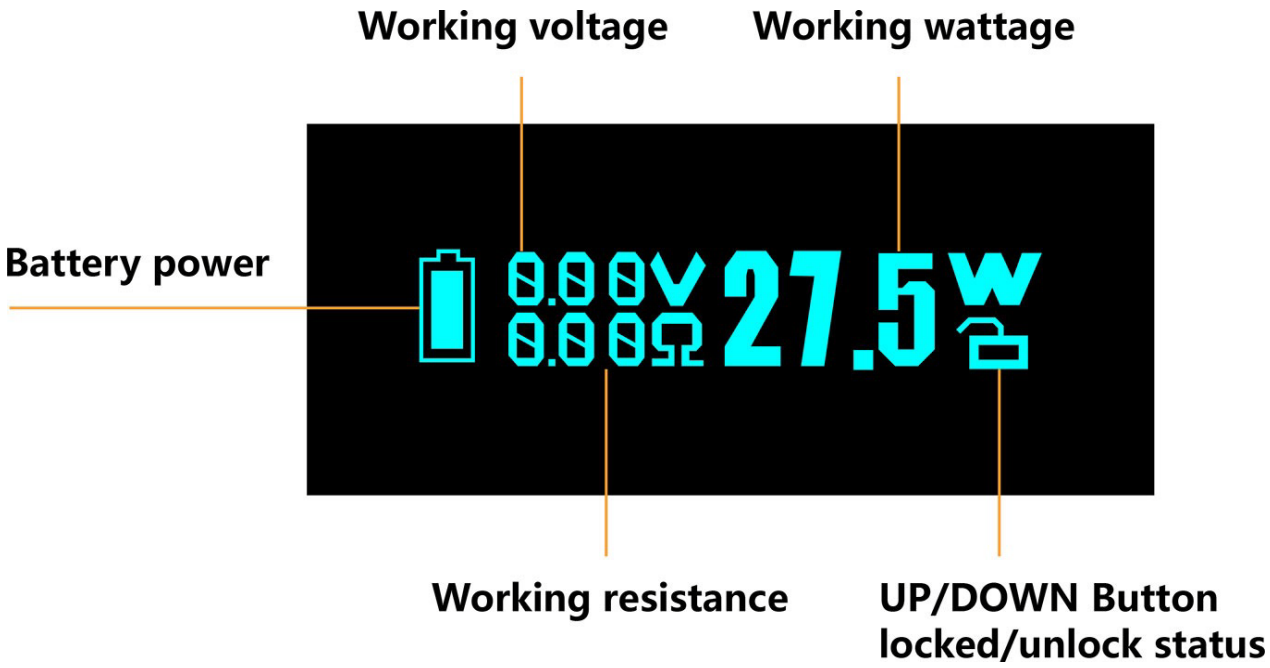
1. Enter TC Mode: switch between TC Mode and VW Mode by pressing *KOOPOR+ Up Button* simultaneously while screen is unlocked.
2. In the TC Mode, please use the *UP / DOWN Button* to adjust the temperature settings with an increment/decrement of 10Fahrenheit degrees (about 5 Celsius degrees) to get the best preferred settings.
3. Use *KOOPOR+ DOWN Button* simultaneously to switch between the *Hard/Normal/Soft* vaping effects.
4. Lock the *UP / DOWN Button* by pressing the *UP+ DOWN Button*simultaneously, to avoid accidentally pressing. Again, simultaneously press to unlock*UP / DOWNButton*.
5. Enter into menu2, Coil Material Selection. There are two options of Temperature Sensing Coil Material for you to choose: TC-NICKEL/TC-TITANIUM.
6. Enter into menu7, Temperature Coefficient of Resistance. You can adjust TCR of the above two coil materials by pressing the Up/Down button.

Note: TCR= Temperature Coefficient of Resistance. It's one of the main parameters to characterize the change in resistance. Our internal circuitry can allow users to adjust TCR values of different coil materials in different ranges, thus further improving the accuracy of temperature control and bring you the best taste.

7. Enter into menu8, Adjustable Initial Resistance. You can adjust the initial resistance of your atomizer by pressing the Up/Down button, and its range is ±50 mΩ (±0.05 Ω).

8. When the screen shows “TEMPERATURE PROTECTED”, the heating coil reached the maximum allowed temperature during the Vaping. If it happens, the KOOPOR mini will continue to fire, but will not be able to provide the desired wattage.

6. VW Mode



KOOPOR mini VW Mode is available for all types of atomizers.

1. Enter VW Mode: switch between TC Mode and VW Mode by pressing *KOOPOR Button+Up Button* simultaneously while screen is unlocked.
2. In the Wattage Mode, use the *UP / DOWN Button* to adjust the wattage settings with an increment/decrement of 0.1w to get the best preferred wattage.
3. Lock the *UP / DOWN Button* by pressing the *UP+ DOWN Button*simultaneously, to avoid accidentally pressing. Again, simultaneously press to unlock*UP / DOWNButton*.

7. Self-protection

KOOPOR has dedicated ourselves to make high performance and reliable APVs for vapors. KOOPOR mini comes with the following self-protection functions. When the device is under abnormal condition, it will enter protection mode, and stop working to ensure the users security until the problem is solved.

1. ***Atomizer Intelligent Recognition***
2. ***System Over-heating Protection***
3. ***Current Overload/Short-circuit Protection***
4. ***VoltageLow/Over Protection***
5. ***Vaping-time Limit Protection***

8. Warnings

1. Please keep the device away from excessive temperature and humid environment to prolong its life time.
2. Please take the battery out of the device when it’s not used for a long time.
3. Please keep the device away from children, pregnant women, and minors (under 18 years of age).

Appendix 1. Product Specification Table

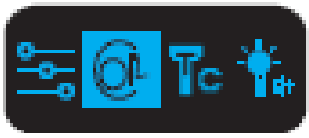
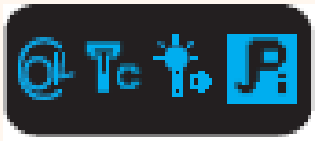
Items		Details
Basic	Name	KOOPOR mini
	Model	KP60
Appearance & Size	Material & Technics	Stainless steel and zinc alloy
	Weight (g)	~ 120g
	Height(mm) x Width(mm) x Depth(mm)	83.8mm x 41mm x 24.5mm
Atomizer Head Threading		510
Working Mode		TC(Temperature Control) Mode VW(Variable Wattage) Mode
TC Mode Temperature Range		200 - 600 ℉(100-315 ℃)
Atomizer	TC Mode	0.06-2.00 Ω
	VW Mode	0.10-3.00 Ω
Battery		Removable design, suit with 18650 battery
Electrical Parameters	Power	1 - 60 w
	Voltage	0.8 - 9 v
	Current	Standby Current：< 20 μA Working Current：minimal 1A, normal 10A, Maximum 30A

Appendix 2. Key Function Table

Key	Function(Screen Unlock Status)	Function(Screen Locked Status)
KOOPOR	Fast click 5 times in 2s - Power On Fast click 5 times - Locked Screen Fast click 3 times in 2s - Menu Choose Hold on - Vape Release - Standby	Long press 8s - Power Off Fast click 5 times - Unlock Screen
UP	Click Down - Increase the temperature（TC Mode） Click Down - Increase the wattage（VW Mode）	
DOWN	Click Down - reduce the temperature（TC Mode） Click Down - reduce the wattage（VW Mode）	
KOOPOR + UP	Click Down - Change Working Mode(TC / VW)	Click Down - Rotate the screen to LEFT
KOOPOR + DOWN	Click Down - Change TC Effect (Hard/Normal/Soft)	Click Down - Rotate the screen to RIGHT
UP + DOWN	Click Down - Locked UP & DOWN keys, Again, Unlock keys	

Appendix 3. Screen Prompts Table

Prompts	Details
	Power on success
	Power off success
	Fast click 5 times KOOPOR button to unlock the screen
	Fast click 5 times KOOPOR button to lock the screen
	Battery power isn’t enough, change a battery
	Battery voltage is higher than need, change a battery
	Atomizer hasn’t been detected, attach an atomizer
	Atomizer has been detected under TC Mode
	Low resistance value been detected, replace atomizer
	High resistance value been detected, replace atomizer

	Short circuit has been detected, replace atomizer
	Temperature protection under TC Mode
	Atomizer coil is heating without liquid under TC Mode, fill juice
	System is overheating, stop working
	Mode Settings
	Coil Material
	TC Mode Effects Settings
	Screen Locking Waiting Time
	Vape Data
	Screen Rotation
	Temperature Coefficient of Resistance

	Adjustable Initial Resistance
	Power ON/OFF